

ST. XAVIER'S COLLEGE JAIPUR

Nevta - Mahapura Road, Jaipur - 302029, Rajasthan, India

Affiliated to the University of Rajasthan

Approved under Section 2(f) & 12(B) of the UGC Act, 1956



PROGRAMME OUTCOMES

B.Sc.

(Bachelor of Science)

Department of Science

Programme Outcomes (POs)

The learners will be able to:

PO 1.	Apply theoretical knowledge to solve complex physics problems using appropriate mathematical and computational techniques
PO2.	Develop proficiency in designing experiments, and collecting data using laboratory equipment and critically evaluating scientific literature, experimental data, and theoretical models in Physics
PO 3.	Cultivate critical thinking skills to analyse problems, critical thinking through advanced mathematical learning and enabling practical applications in real-life scenarios
PO 4.	Conceptualise and implement mathematical functions and terminologies in computer languages and software
PO 5.	Elaborate concepts of Chemistry across various scientific disciplines
PO 6.	Perform, observe, and analyse the outcomes of chemical reactions
PO 7.	Illustrate the multidisciplinary approach inherent in the field of Plant Sciences
PO 8.	Categorise both theoretical principles and practical applications in Botany with a focus on environmental sustainability
PO 9.	Outline fundamental concepts related to the biology of life with an emphasis on respect towards humanity
PO 10.	Apply principles learnt in Zoology, enhancing their understanding of the subject

PO 11.	Analyse economic theories and quantitative methods to evaluate economic phenomena and propose solutions
PO 12.	Recognise the diverse factors influencing the global economy and decision-making processes
PO 13.	Interpret data, trends and make evidence-based decisions across sectors
PO 14.	Conduct research and design new models using statistical methodologies
PO 15.	Analyse spatial patterns, processes, and relationships using practical geographical approaches and other tools to understand and solve real-world problems
PO 16.	Evaluate environmental issues and sustainability, applying geographical concepts to address challenges related to climate change, resource management, and urban planning